

GNCAGCATTTCCTCTAAGGGATNCAATNNGGCTTGCCCGAGGCCACACTCATTTCCTCCCATNCCC
TCAAATACTGTGGTGATTAAACATTTTCATAGGAGGANTTTATGGATNCCTTTAAAANCCTAATT
CTCCCTGCTTGCCAAATCATTCTTCTCAGCATCCTGCCAGCAAAAAANCANCTTNTGATCAA
AATNATCCCCGAGGCTTNACGGAGGCCAGACCTGCCACAGCAGNAGTCCNGGAGATTGCTGAC
CGGGTCAAAGCAGCTCGANGAGGAAACCAATGAGAAATATGAAATATTCAAAGCCGTTGAGT
ATAAACTCAAGTTGTCGCTGGAGTCAATTACTTCATTAAGATGGATGTAGGGGGTGGTTGTTT
CACCCACATAAAAGTCTTCAAGGATCTTTCTGGAAAGAATAATTTGGAACCTACTGGTTACCAG
ACTAACAAAACCGAGGATGATGAGCTGACCTACTTCTAAGCAGCAAATTCTAAAGTGACCTGAT
TCCTCTCATTTGTAACTGATTCGNCCATCAATAAAGAATATTCTCCA (SEQ ID NO:1)

FIGURE 1

2025-08-08 10:00:00

underlined = deleted in targeting construct

[] = sequence flanking Neo insert in targeting construct

[GNCAGCATTTCTCTAAGGGATNCAATNNGGCTTGCCCCGAGGCCACACTCATTTCCTCA
TNCCTCAAACTACTGTGGTGATTAAACATTTTCATAGGAGGANTTTATGGATNCCTTTAAA
ANCCTAATTCTCCCTGCTTGCCAAATCATTCTTCTCAGCATCCTGCCAGCAAAAAANC
ANCTTNTGATCAAAATNATCCCCGGAGGCTTNACGGAGGCCAGACCTGCCACAGCAGN] A
GTCCNGGAGATTCTGACCGGGTCAAAGCACAGCTCGANGAGGAAACCAATGAGAAATAT
GAAATATTCAAAGCGTTGAGTATAAACTCAAGTTGTCGCTGGAGTCAATTACTTCATT
AAGATGGATGTAGGCGGTGGTTGTTTCACCCACATAAAAAGTCTTCAAGGATCTTTCTGGA
AAGAATAATTTGGAACCTT [ACTGGTTACCAGACTAACAAAACCGAGGATGATGAGCTGAC
CTACTTCTAAGCAGCAAAATTCATAAGTGACCTGATTCTCTCATTGTAAACTGATTTCGNC
CATCAATAAAGAATATTCTCCA]

FIGURE 2A

09904130.034104

Gene Sequence Structure

*

238 bp

Sequence Deleted

436 bp

Size of EST: 559 bp



Targeting Vector* (genomic sequence)

Construct Number: 2757

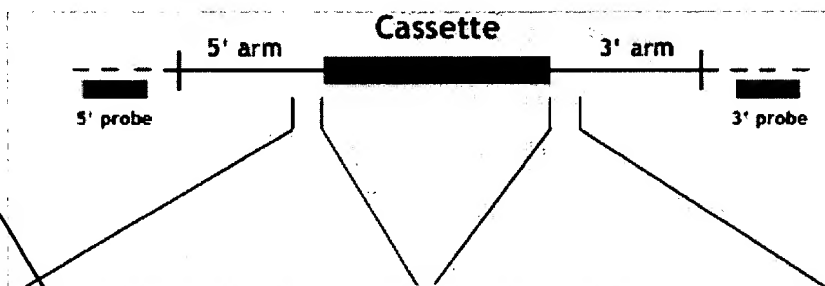
Arm Length:

5': 1.2 kb

3': 3 kb

LacZ-Neo

Cassette



5'>CGAGGCCACACTCATTTCCCC
ATTCCTCAGATACTGTGATGATT
ATACATTTGATAGGAGGAGATTAT
GGATACCTTTAAAATTCTAAGTCT
CCCTGCTAGCCAGATCATTTCTTC
TCAGCATTCTGCCCAGCAAAGAAG
CAACTCGTGATCAGAATGATACCC
GGAGGCTTGATGGAGGCCAGACCT
GCCACAGCAGA<3'
(SEQ ID NO:2)

5'>ACTGGTTACCAGACTAACAAA
ACCGAAGATGATGAAGTACCTAC
TTCTAAGCAGCAAATTCATAAGTC
ACCTGATTCCTCTCATTGTAAACT
GATGCGGCCATCAATAAAGAAATA
TTCTTCAAATAAAAAAAAAAAGA
AAGAAGCATTCTAACACAATACAA
TCCAAAGATGTACTGATTTGATGT
TACATACTCAG<3'
(SEQ ID NO:3)

Targeting Vector

Endogenous Locus

* Not drawn to scale

FIGURE 2B